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Exploring the Bootstrap Method in the BFSS Model

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The bootstrap method offers a powerful framework for solving theoretical models by systematically solving the optimization problem from the constraints imposed by kinematic and dynamic equalities and inequalities. This approach has demonstrated remarkable efficacy in tackling matrix models, especially in the large N limit and in scenarios complicated by sign problems. In this presentation, we explore the application of the bootstrap method across diverse models, with a particular emphasis on its implementation in the BFSS model, highlighting its potential to address longstanding challenges in this context.

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